

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Per Johan Anders Nystrom)
Serial No.: Unknown) Examiner: Unknown
Filed: unknown) Group Art Unit:

For: CELL SEARCHING IN A CDMA COMMUNICATIONS SYSTEM

Box NON-FEE AMENDMENT
Assistant Commissioner for Patents
Washington, D.C. 20231

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Signature Linda McSweeney

Dear Sir:

PRELIMINARY AMENDMENT

Please amend the above-identified application for patent as follows:

In the Claims

Please cancel claims 1 through 17 without prejudice.

Please add the following new claims:

- 1 - -18. A method for facilitating cell searches in a cellular communications system, said method
- 2 comprising the steps of:
- 3 generating, by a base station, an identifying code set for transmission, each said identifying
- 4 code set comprising a code word which when symbol-wise cyclically shifted does not produce a
- 5 second valid code word;

6 transmitting, by said base station, said identifying code set;
7 receiving, by a mobile station, said identifying code set;
8 determining, by said mobile station, whether said received identifying code comprises a
9 valid code word; and
10 if said received identifying code does not comprise a valid code word, cyclically shifting
11 symbols of said identifying code and returning to said determining step.

19. The method of claim 18, further comprising the step of outputting, by said mobile station, a number of cyclical shifts made to obtain said valid code word if said received identifying code comprises a valid code word.

1 20. The method of claim 18, wherein said number of cyclical shifts made to obtain said valid
2 code word indicates a frame timing for said valid code word.- -

REMARKS

Favorable reconsideration of the above-identified application, as presently amended, is respectfully requested.

In view of the foregoing, Applicant respectfully requests the thorough reconsideration of this application and earnestly solicits an early notice of allowance.

JENKENS & GILCHRIST,
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